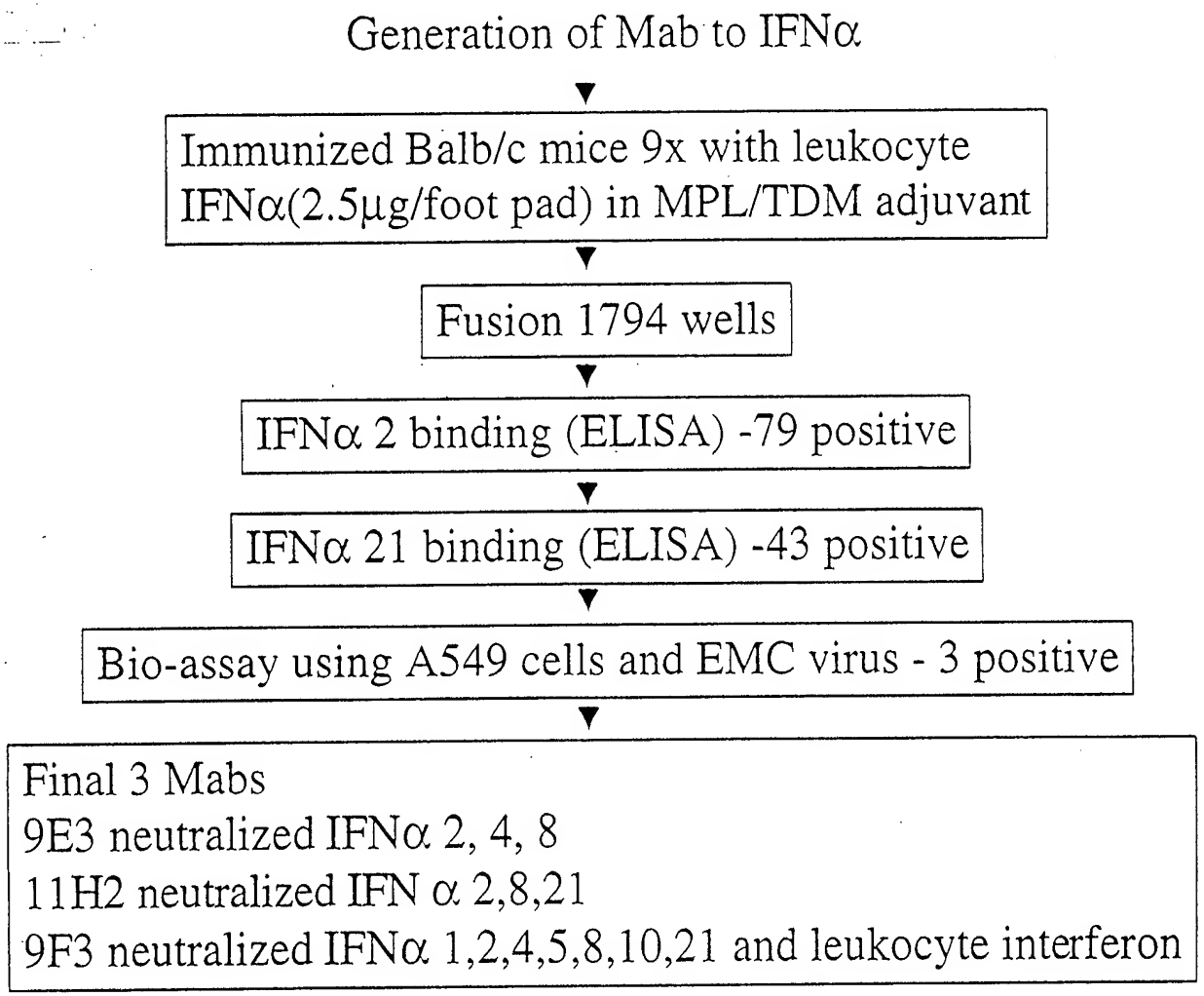
Generation of Mab to IFNα
Immunized Balb/c mice 9x with leukocyte IFNα(2.5µg/foot pad) in MPL/TDM adjuvant
Fusion 1794 wells
IFNα 2 binding (ELISA) -79 positive
IFNα 21 binding (ELISA) -43 positive
Bio-assay using A549 cells and EMC virus - 3 positive
Final 3 Mabs
9E3 neutralized IFNα 2, 4, 8
11H2 neutralized IFN α 2,8,21
9F3 neutralized IFNα 1,2,4,5,8,10,21 and leukocyte interferon

FIGURE 1

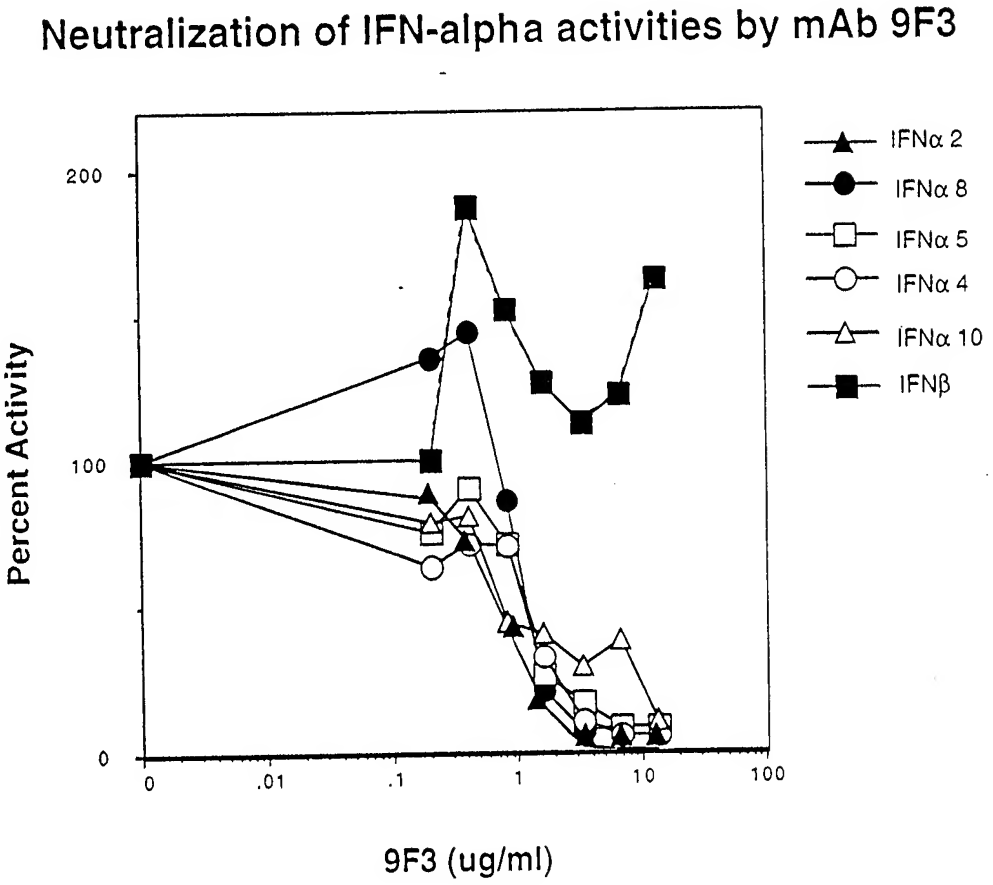

FIGURE 2

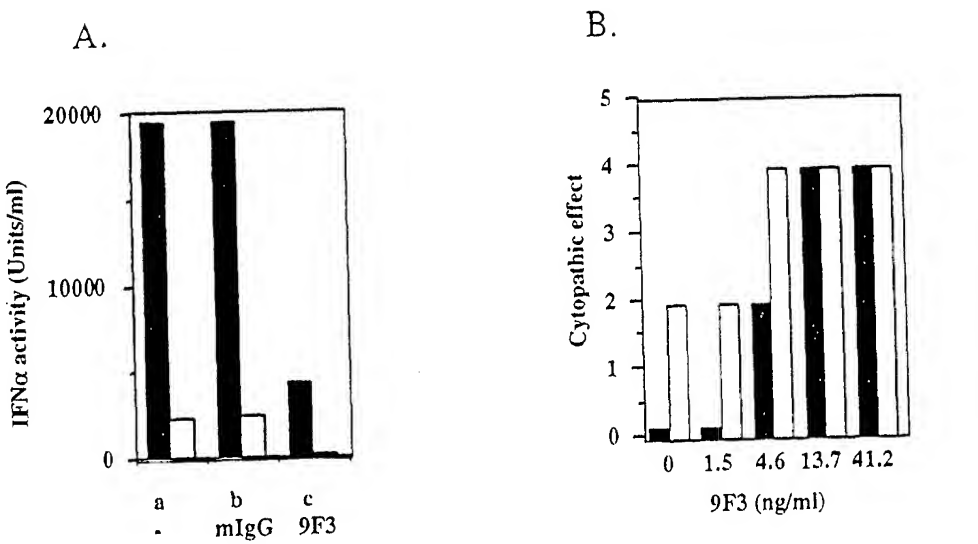
A.
20000
10000
0
IFNα activity (Units/ml)
a
-
b
mIgG
c
9F3
B.
5
4
3
2
1
0
Cytopathic effect
0
1.5
4.6
13.7
41.2
9F3 (ng/ml)

FIGURE 3

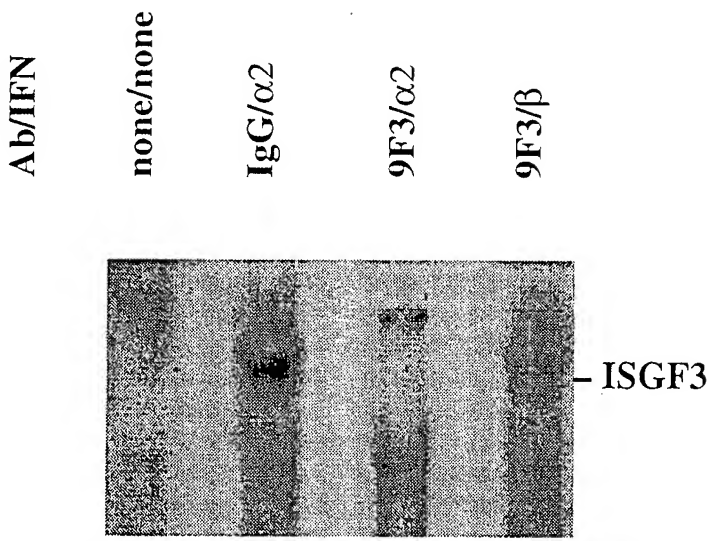

FIGURE 4

Figure 5A

Variable Light Domain

```
        1       10        20        30 abcd       40
murine  DIVLTQSPASLAVSLGQRATISCRASQSVSTSSYSYMHWYQQKPGQPPKVLIS
          **    *  ** * * *  *                        **
V13     DIQMTQSPSSLSASVGDRVTITCRASQSVSTSSYSYMHWYQQKPGKAPKVLIS
                                      * ***** **          *  *
hukI    DIQMTQSPSSLSASVGDRVTITCRASQSISN----YLAWYQQKPGKAPKLLIY
                                ---------------

       50        60        70        80        90
murine  YASNLESGVPARFSGSGSGTDFTLNIHPVEEGDTATYFCQHSWGIPRTF
                 *              * ****** *   *
V13     YASNLESGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQHSWGIPRTF
        *  *                                    ***** *
hukI    AASSLESGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSLPWTF
        -------                                ---------

       100
murine  GAGTKLELRRAV
         *   * ** *
V13     GQGTKVEIKRTV

hukI    GQGTKVEIKRTV
```

Figure 5B

Variable Heavy Domain

```
          1       10        20        30        40
murine    EVQLQQSGPELVKPGASVKISCKTSGYTFTEYIIHWVKQGHGRSLEWIG
              **  **  *  * ***  *              * ** **   **
V13       EVQLVESGGGLVQPGGSLRLSCATSGYTFTEYIIHWVRQAPGKGLEWVA
                                 *  *  ** ***
huIII     EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVA
                                   ----------

         50   a      60        70        80   abc      90
murine    SINPDYDITNYNQRFKGKATLTLDKSSRTAYLELRSLTSEDSAVYYCAS
                           ** **     *     ***  **  *
V13       SINPDYDITNYNQRFKGRFTISLDKSKRTAYLQMNSLRAEDTAVYYCAS
          * ** *** * ****       * *  * *                  *
huIII     VISGDGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR
          -----------------

             100
murine    WISDFFDYWGQGTTLMVSAAS
                       ***  *
V13       WISDFFDYWGQGTLVTVSSAS
          ******
huIII     GRVGYYDYWGQGTLVTVSSAS
          --------
```

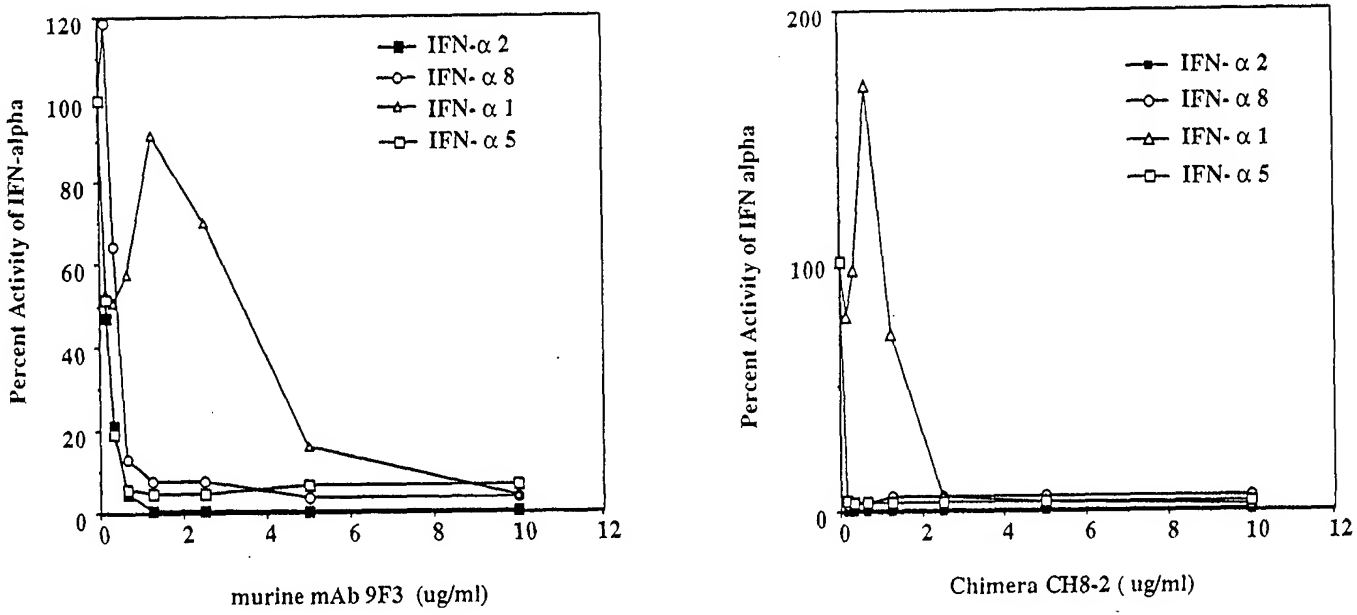

FIGURE 6

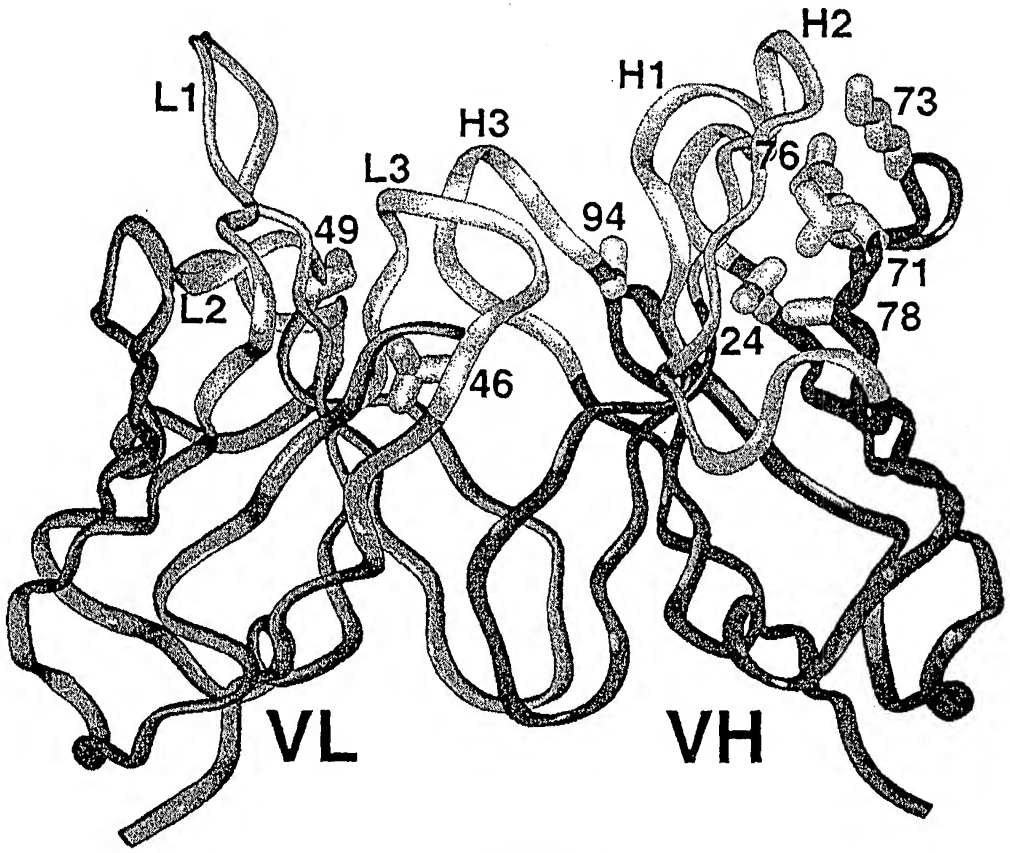

FIGURE 7